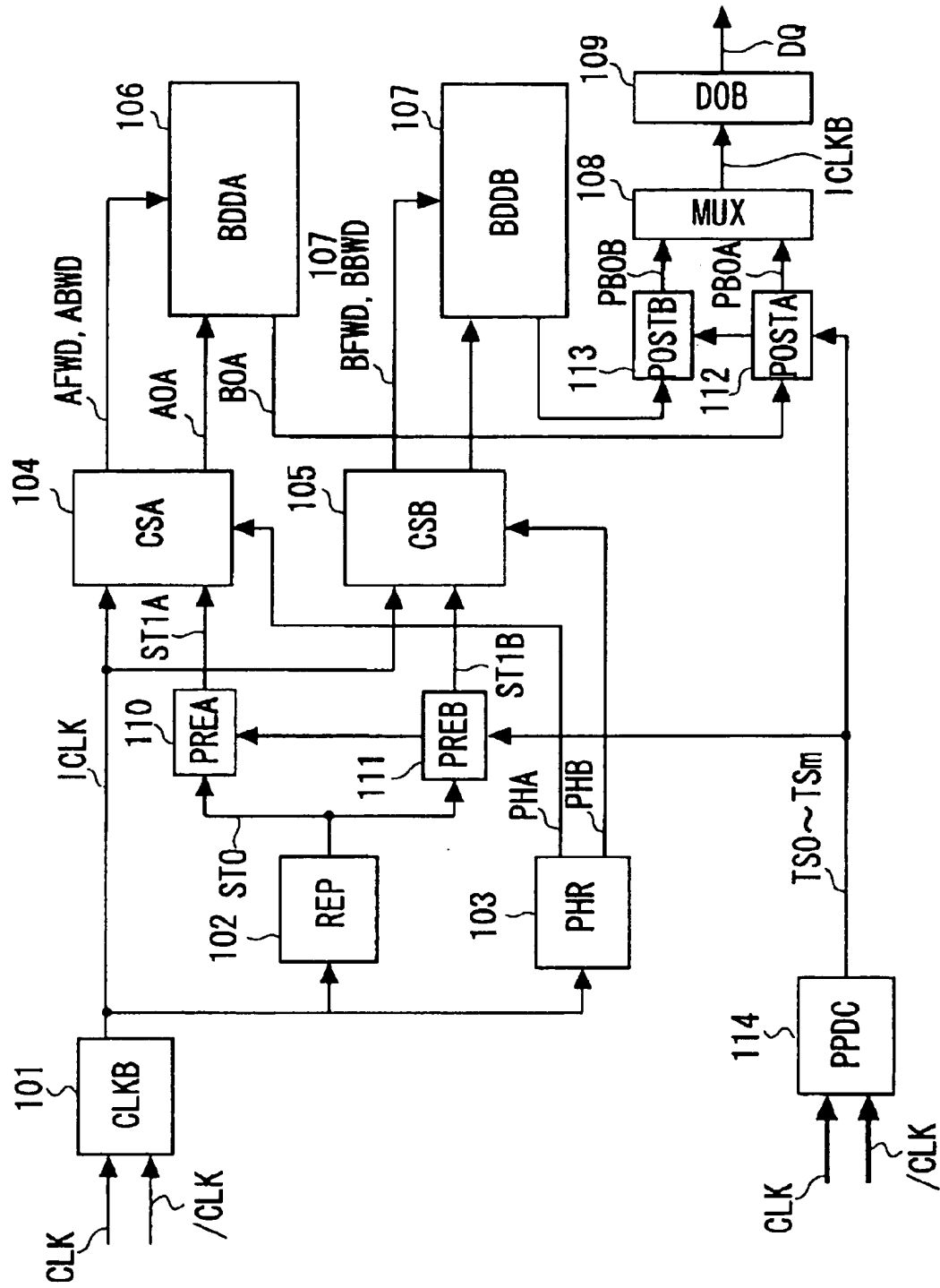


FIG. 1



The diagram illustrates a multi-bit data bus system with four parallel stages. Each stage is enclosed in a dashed box and contains the following components:

- PMOS Transistors:** 201m, 202m, 203m, and 204m.
- NMOS Transistors:** 201m, 202m, 203m, and 204m.
- Inverters:** 205m.

The circuit is powered by VDD and IN0. The output nodes are labeled TSm, TSm-1, TS1, and TS0. The output of the first stage is OOUT.

FIG. 3

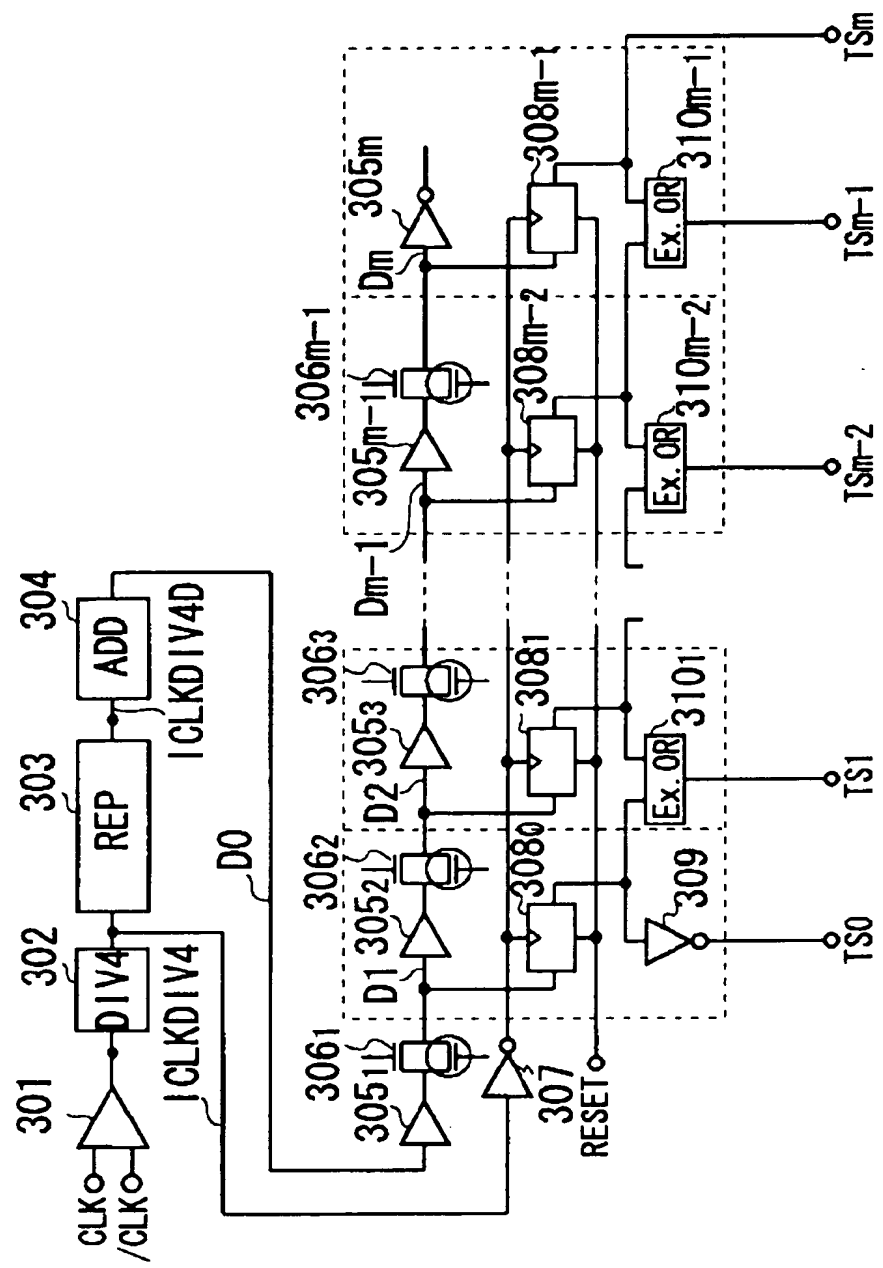


FIG. 4

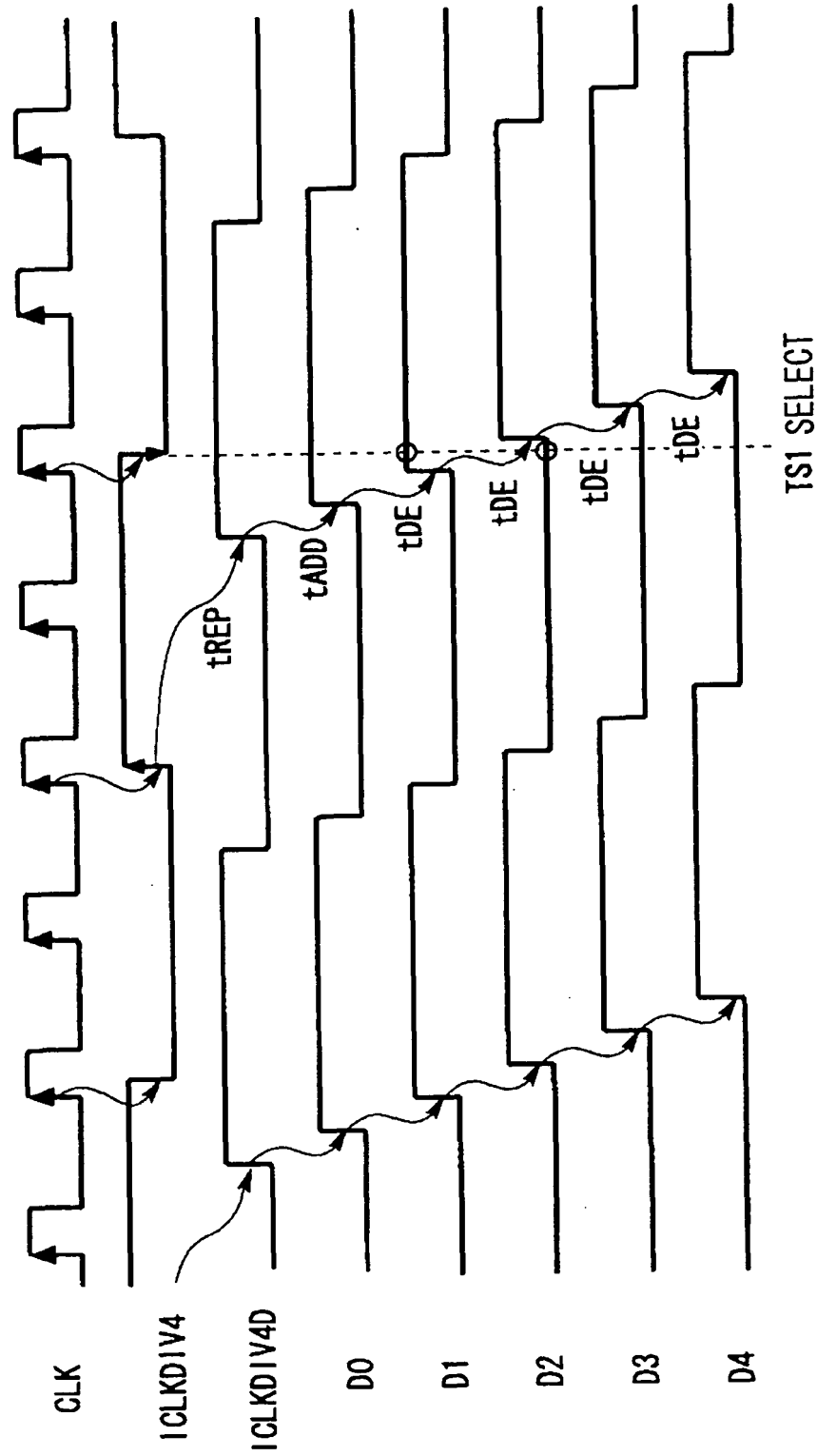


FIG. 5

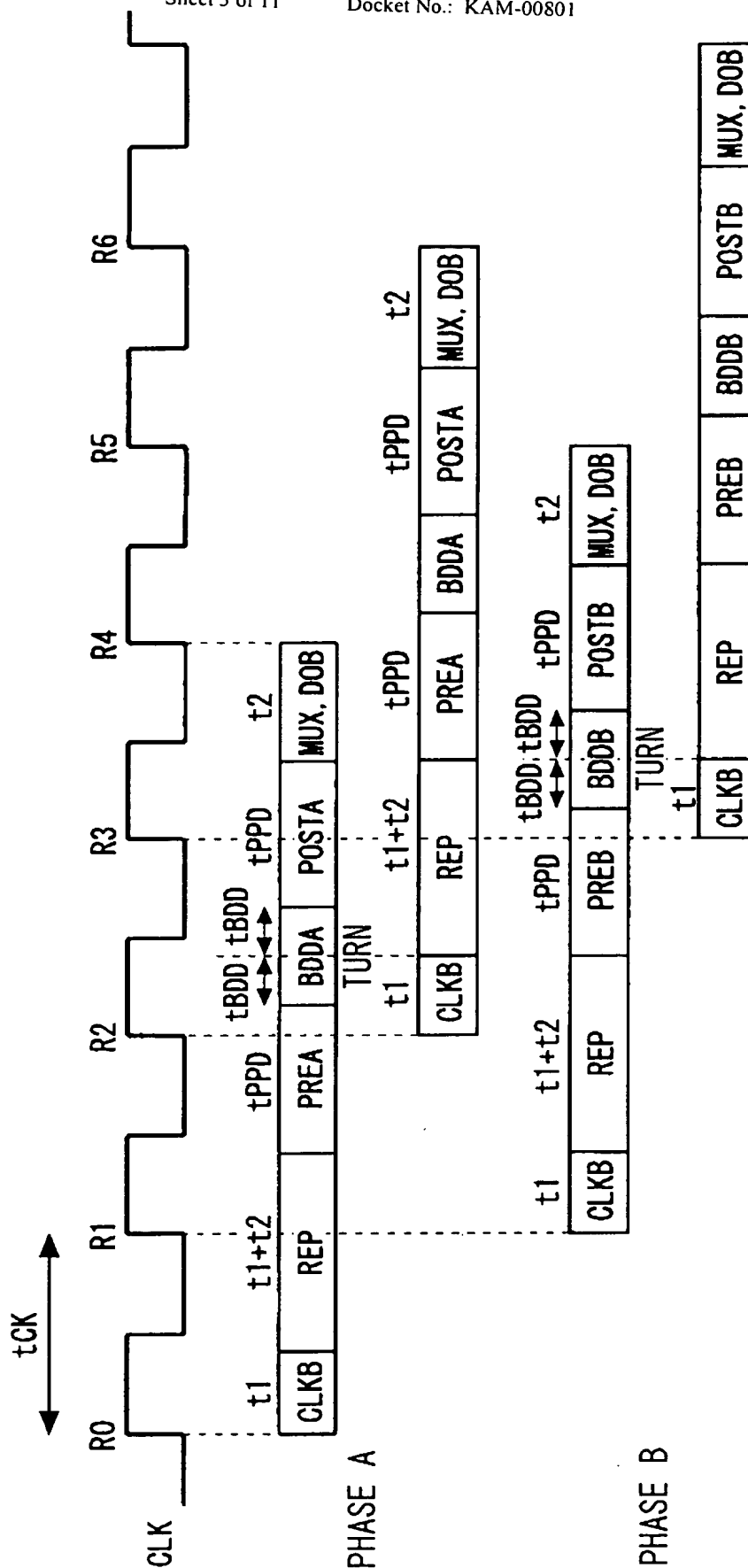


FIG. 6

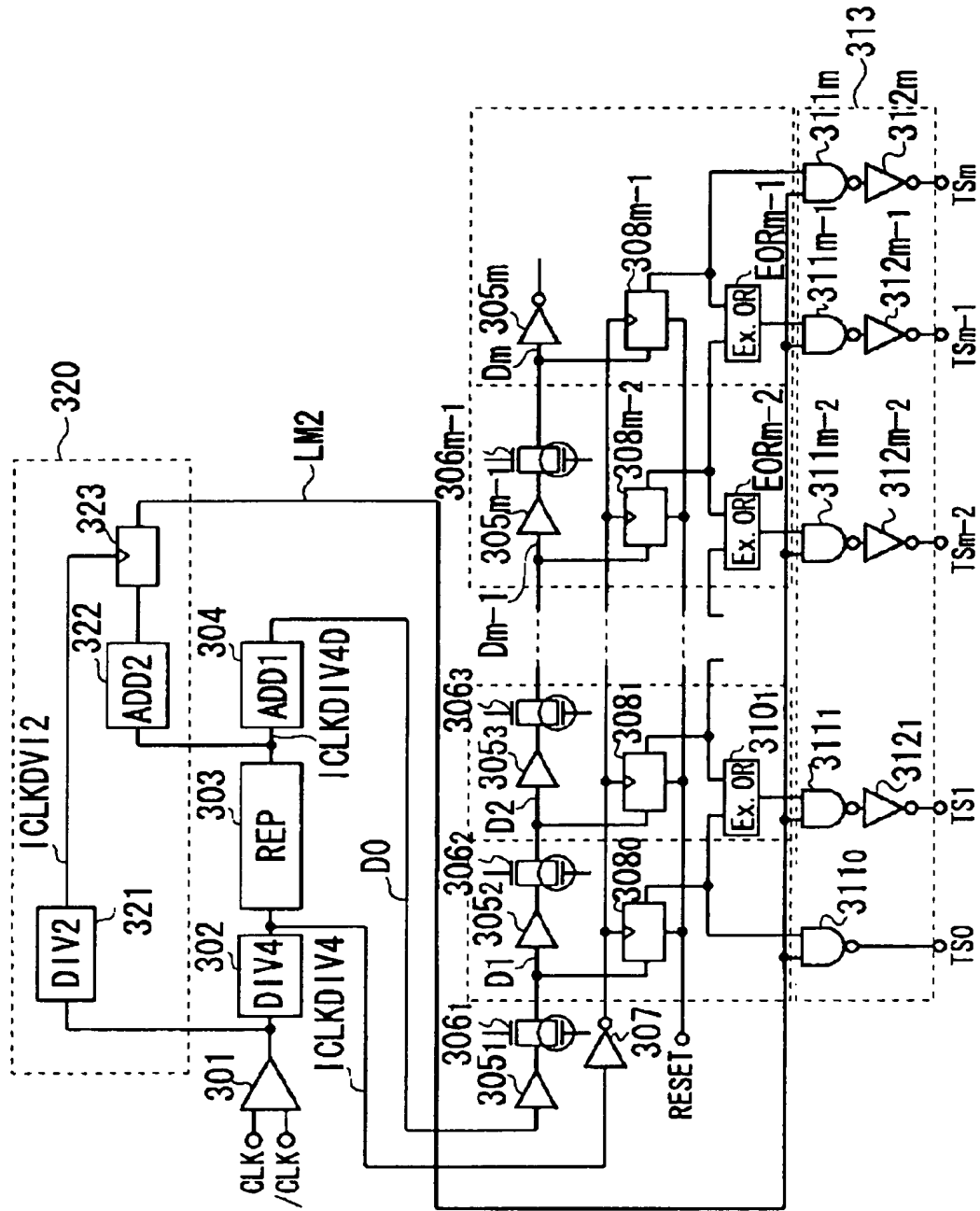


FIG. 7

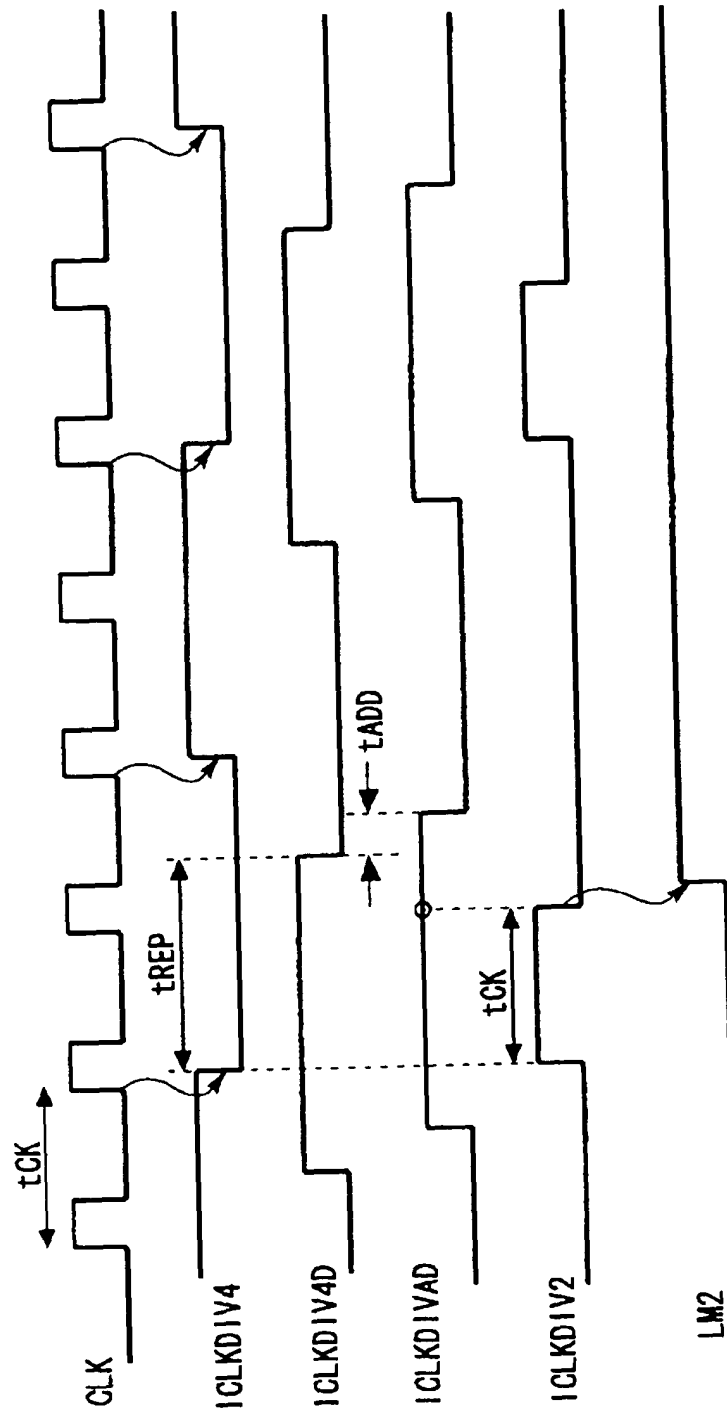


FIG . 8

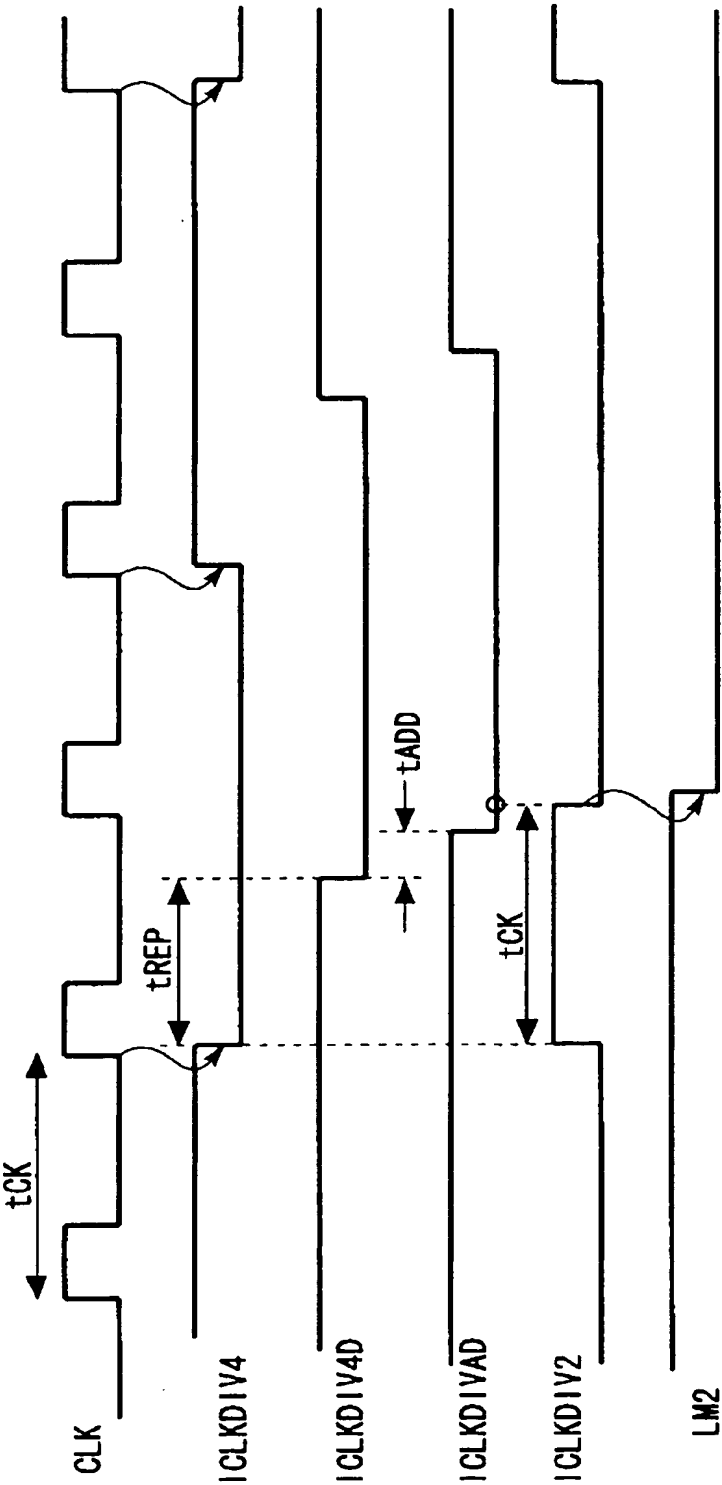




FIG . 9A PRIOR ART

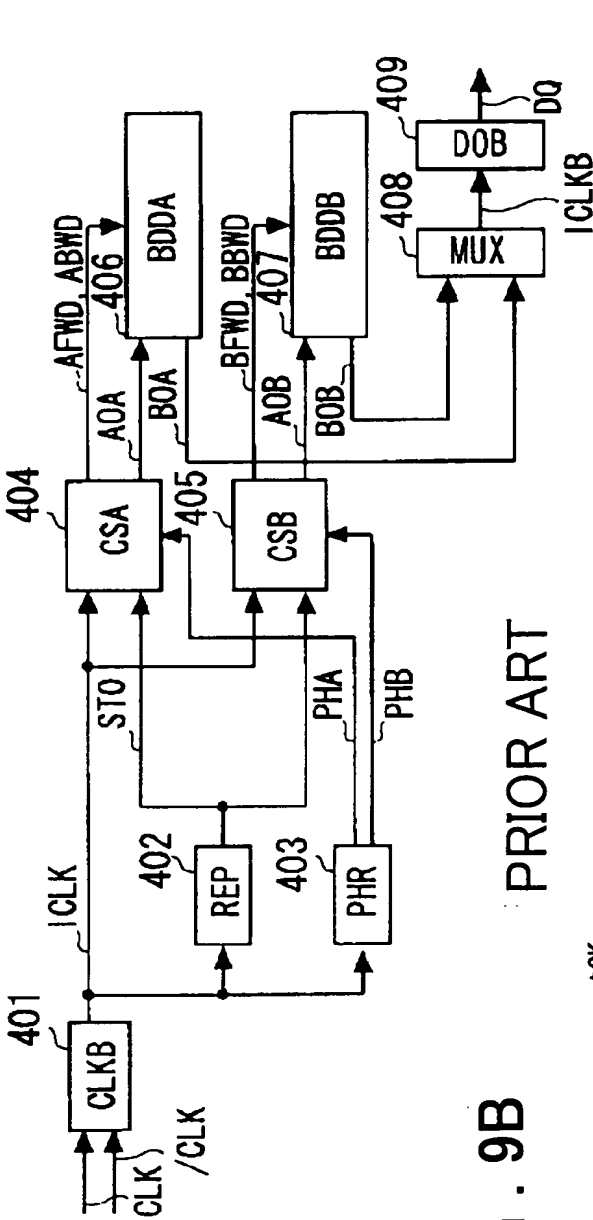


FIG . 9B PRIOR ART

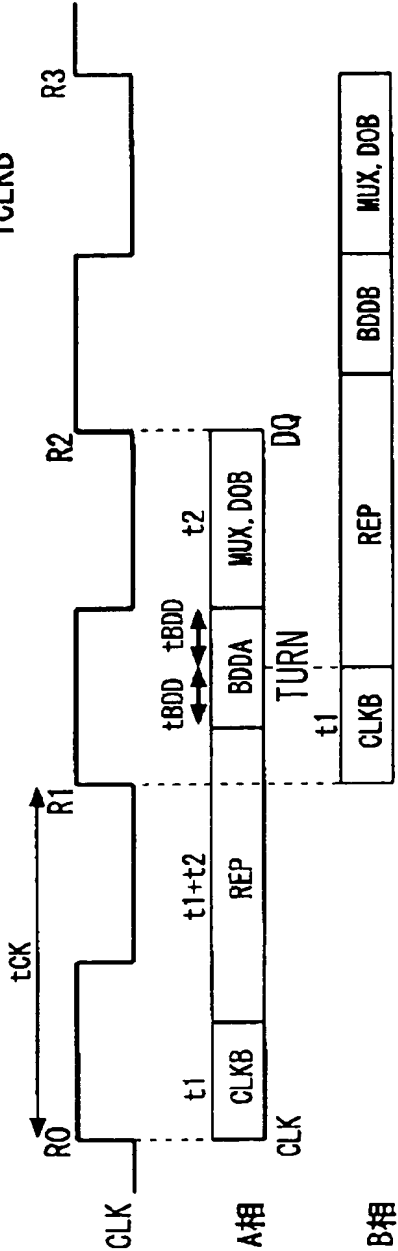


FIG. 10 PRIOR ART

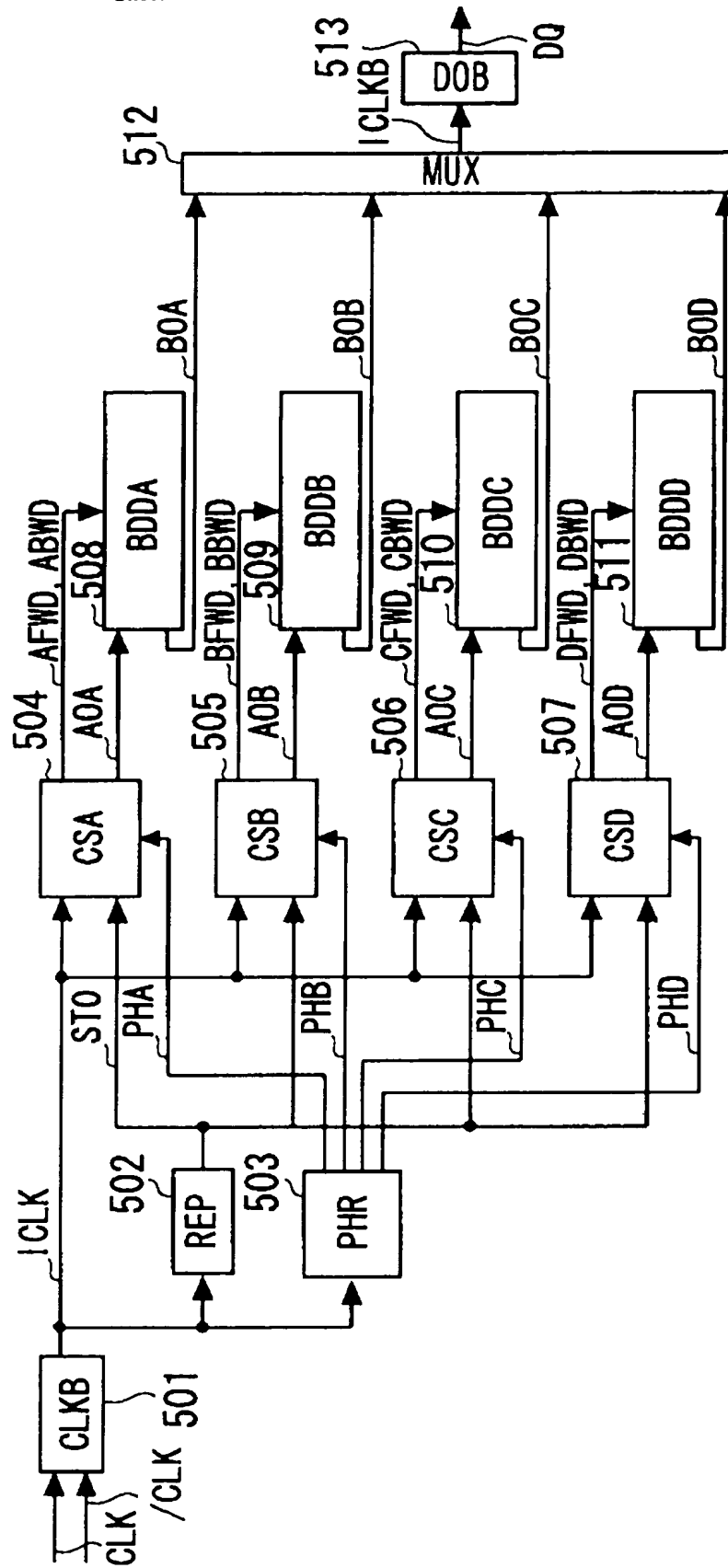


FIG. 11 PRIOR ART

